

CLAIM AMENDMENTS

1. (Original) A low profile transformer, comprising:
a bobbin; and
a core structure, coupled to said bobbin, said core structure further comprising:
an I-core two U-cores, coupled to said I-core.
2. (Original) The transformer according to claim 1, wherein said bobbin further comprises a primary coil, a secondary coil and a plurality of pins formed thereon.
3. (Currently amended) A low profile transformer, comprising:
a bobbin; and
a core structure, coupled to said bobbin, said core structure further comprising:
an I-core, having at least one recessed edge; and
two U-cores, coupled to said I-core, having at least one protrusive edge[[;]], wherein said U-cores are coupled to said I-core by means of said recessed edge and said protrusive edge.
4. (Original) The transformer according to claim 3, wherein said bobbin further comprises a primary coil, a secondary coil and a plurality of pins formed thereon.

5. (Original) The transformer according to claim 3, wherein said recessed edge is formed on a terminal of said I-core.

6. (Original) The transformer according to claim 3, wherein said protrusive edge is formed on a terminal of said U-core.

7. (Currently amended) A low profile transformer, comprising:
a bobbin; and
a core structure, coupled to said bobbin, said core structure further comprising:

an I-core, having at least one recessed edge;

two U-cores, coupled to said I-core, having a plurality of protrusive edges[[]], wherein said U-cores are coupled to said I-core by means of said recessed edge and said protrusive edges.

8. (Original) The transformer according to claim 7, wherein said bobbin further comprises a primary coil, a secondary coil and a plurality of pins formed thereon.

9. (Original) The transformer according to claim 7, wherein said recessed edge is formed on a terminal of said I-core.

10. (Currently amended) The transformer according to claim 7, wherein said recessed edges are formed on different surfaces of said ~~U-core~~ I-core.

11. (Currently amended) The transformer according to claim 7, wherein said recessed edges are formed on the same surfaces of said ~~U-core~~ I-core.

12. (Currently amended) The transformer according to claim 7, wherein said recessed edges are formed on corners of said ~~U-core~~ I-core.